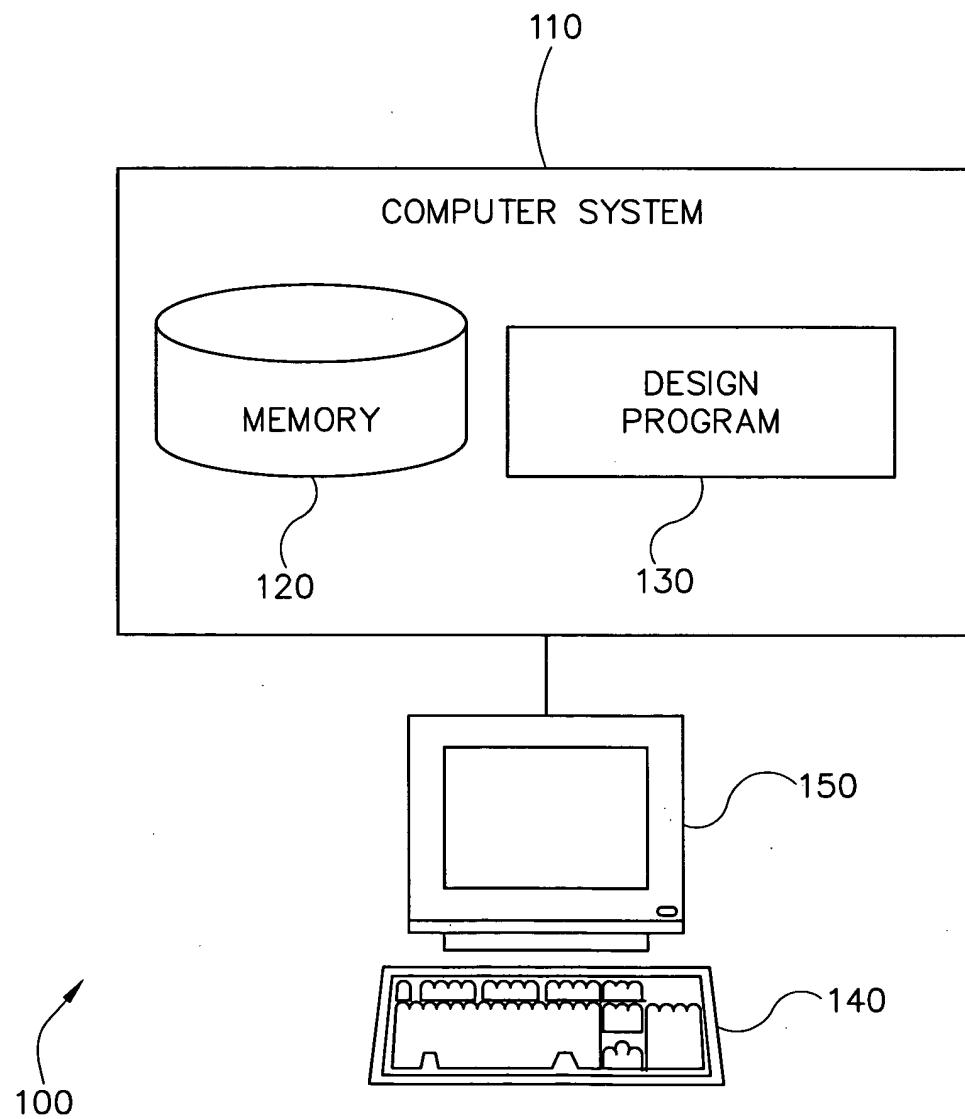




## REPLACEMENT SHEET

1/13

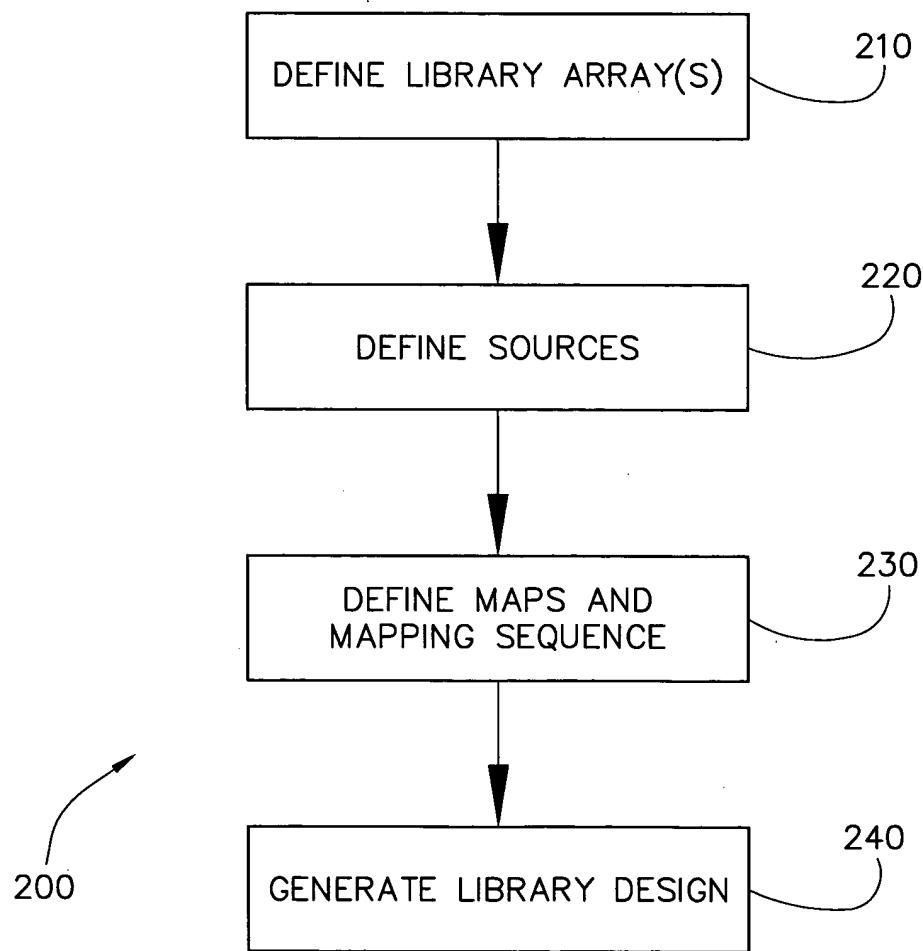
FIG. 1



## REPLACEMENT SHEET

2/13

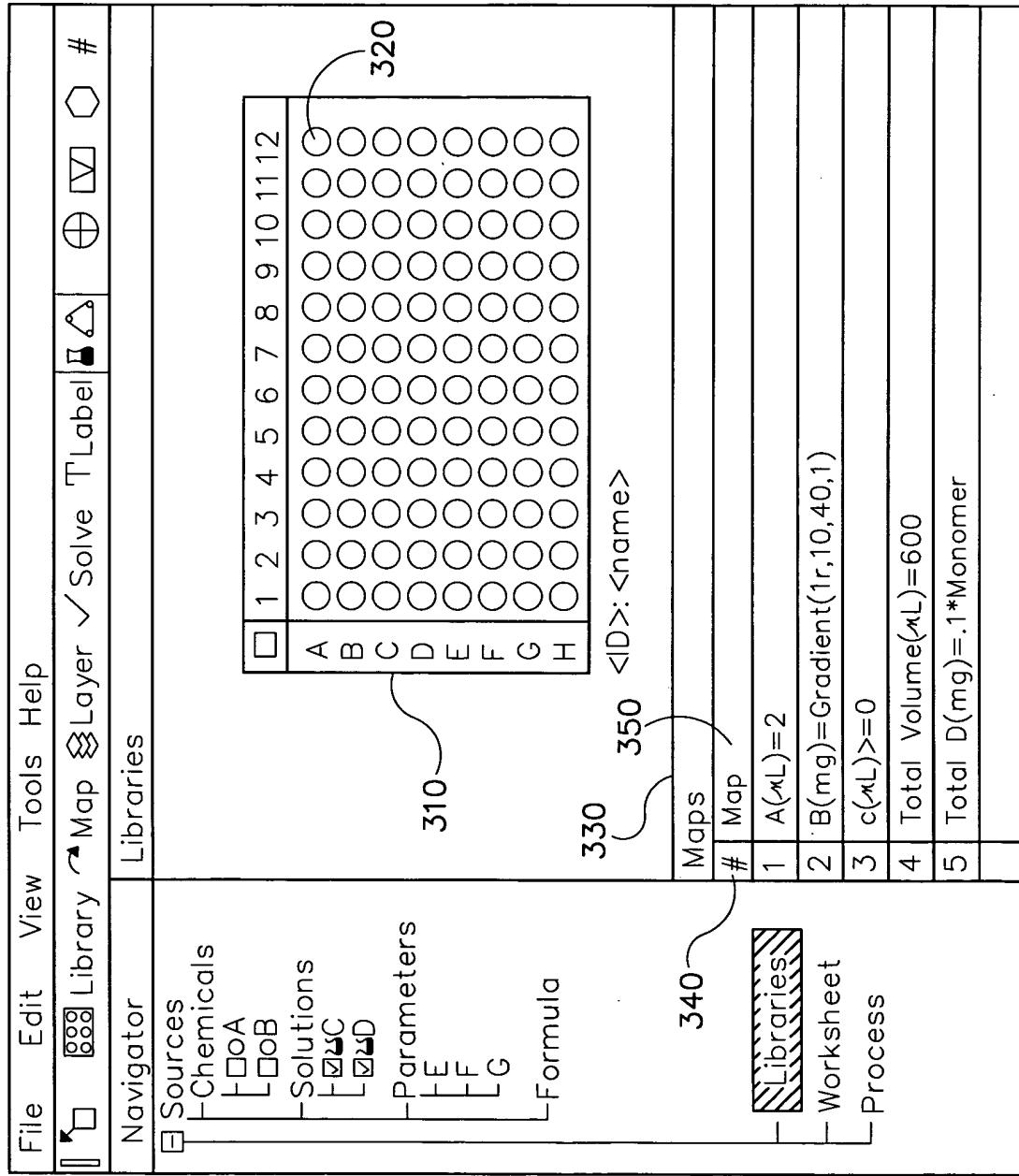
FIG. 2



## REPLACEMENT SHEET

3/13

FIG. 3



## REPLACEMENT SHEET

4/13

Define Map

Map	Uniform Amount	▼
Source:	A	▼
Unit:	µL	▼
Amount:	2	

OK Cancel

410

420

430

440

400

FIG. 4A

Define Map

Map	Discrete Amount	▼
Source:	A	▼
Unit:	µL	▼

Enter or copy/paste values: ) 450

	1	2	3	4	5	6	7	8	9	10
A										
B										
C										
D										
E										
F										
G										

OK Cancel

FIG. 4B

## REPLACEMENT SHEET

5/13

Define Map

Map	Gradient	▼
Source:	A	▼
Unit:	µL	▼
Direction:	→	▼
Min. Amount:	0	
Max. Amount:	100	
Step Size:	1	▲ ▼
OK Cancel		

460  
470  
480  
490

FIG. 4C

Define Map

Map	Equation	▼
Source:	A	▼
Unit:	µL	▼
Equation:	495	
OK Cancel		

FIG. 4D

## REPLACEMENT SHEET

6/13

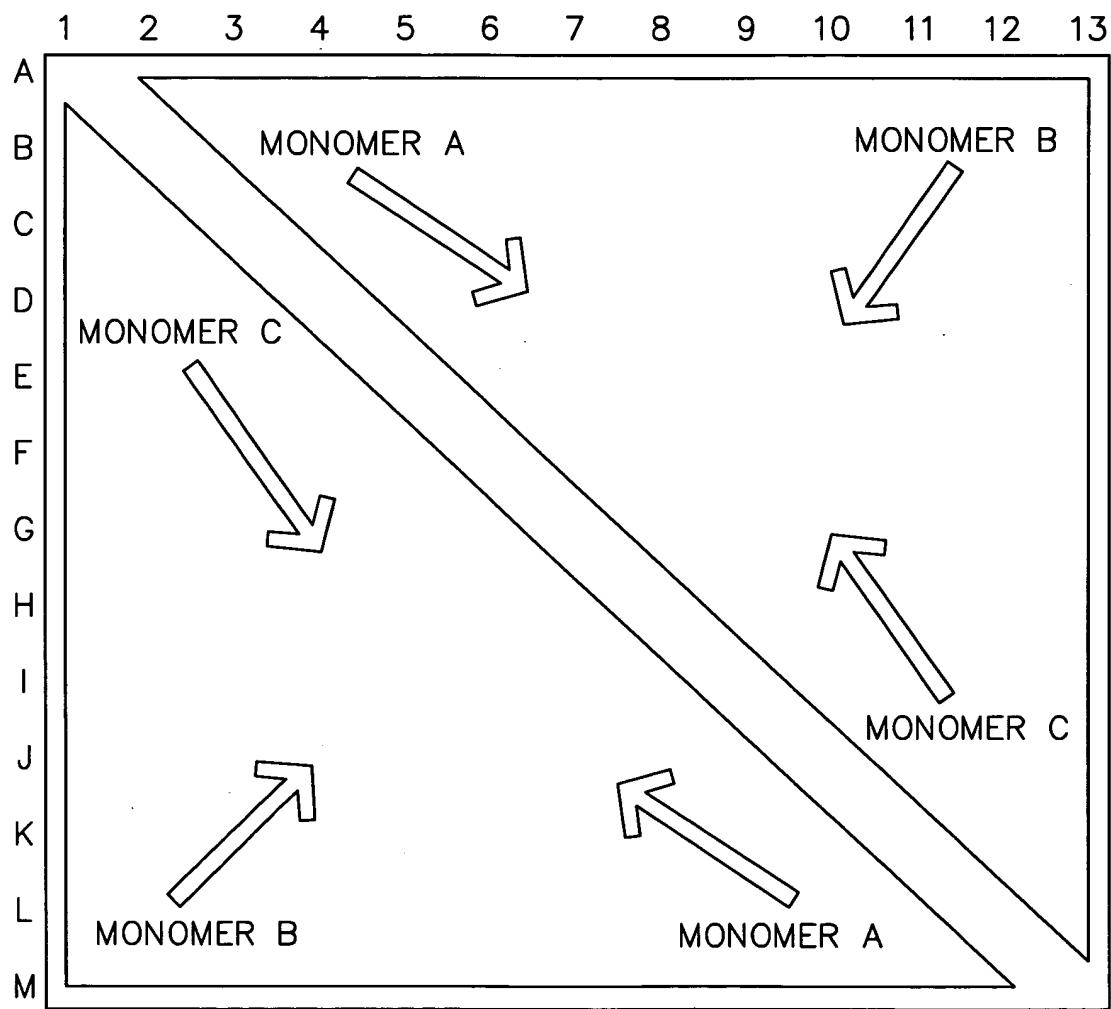


FIG. 5

## REPLACEMENT SHEET

7/13

Add...	Organize...	Color	Name	MW	Density	Structure	Type	Equivalence	Unit
<input type="checkbox"/> Test3 Agents	1 ●		t-Butyl-00H	90.120	0.9500		<input type="checkbox"/>	1.000	ml/mol
<input type="checkbox"/> Solvent_1	2 ●		Solvent_1	74.080	0.9930		<input type="checkbox"/>	1.000	ml/ml
<input type="checkbox"/> t-Butyl-00H	3 ○		MonomerA	0.000	0.9440		<input type="checkbox"/>	1.000	mol/ml
<input type="checkbox"/> MonomerA	4 ●		MonomerB	0.000	0.9230		<input type="checkbox"/>	1.000	mol/ml
<input type="checkbox"/> MonomerB	5 ○		MonomerC	0.000	0.9190		<input type="checkbox"/>	1.000	mol/ml
<input type="checkbox"/> MonomerC	6		Enter name here						

Chemical Inventory

Chemicals  Solutions  Parameters  Recipe  Worksheet

620

600

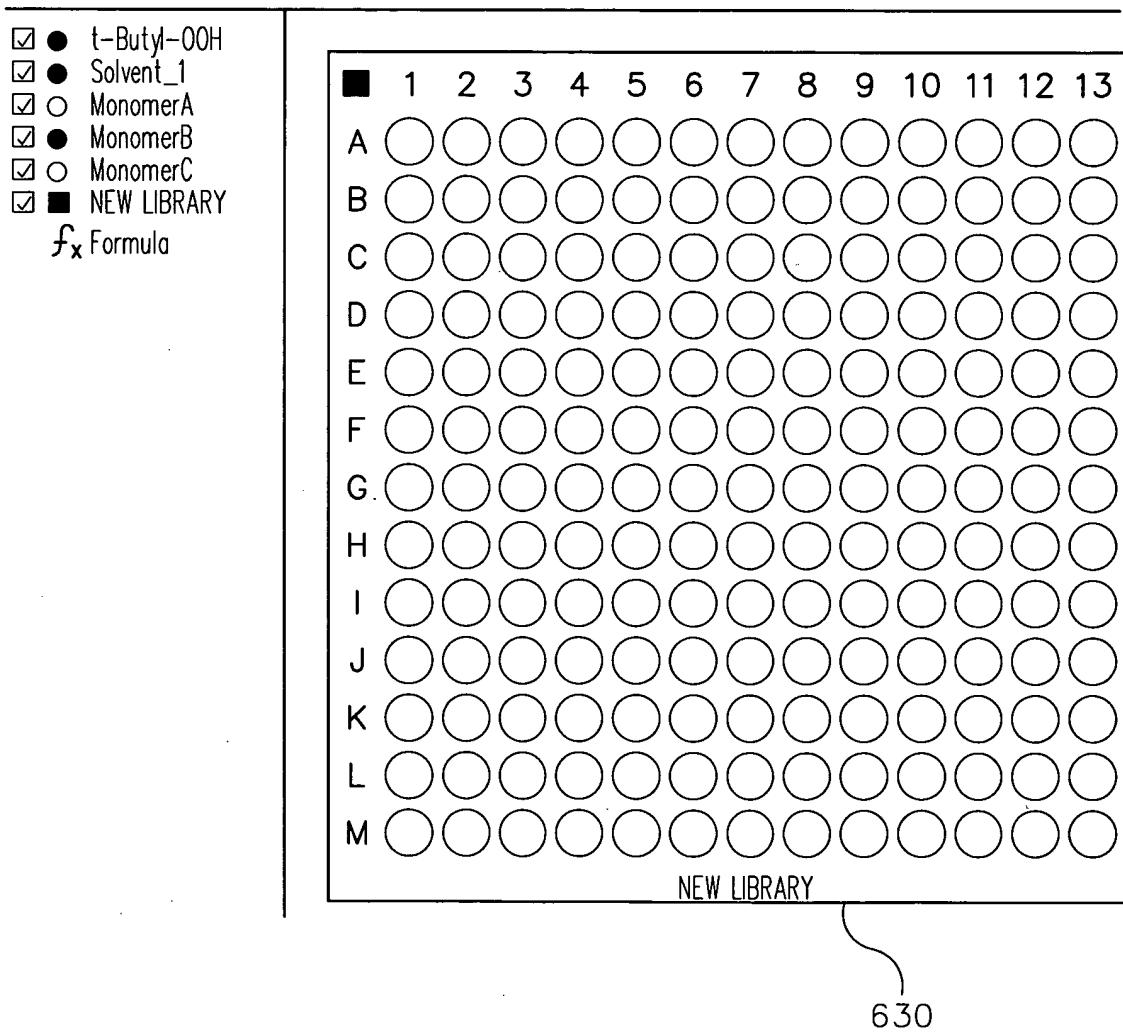
610

FIG. 6A

## REPLACEMENT SHEET

8/13

FIG. 6B

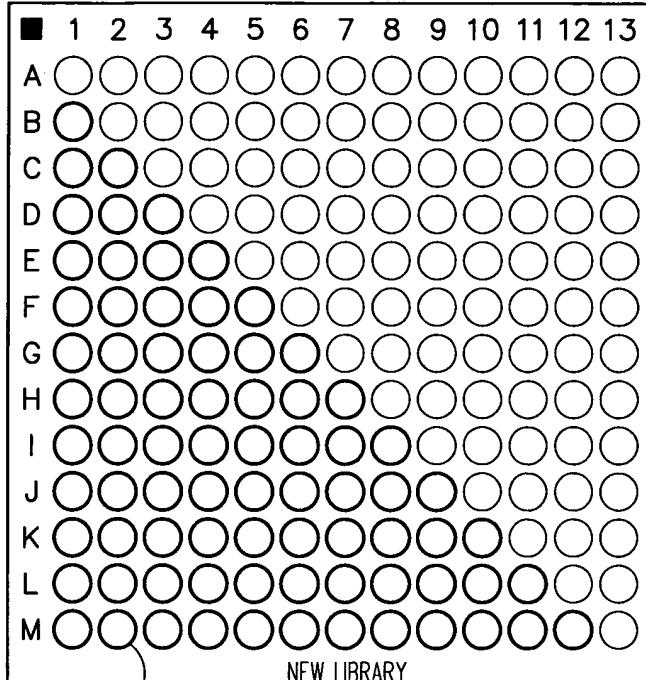


## REPLACEMENT SHEET

9/13 FIG. 7A

- t-Butyl-OOH
- Solvent\_1
- MonomerA
- MonomerB
- MonomerC
- NEW LIBRARY

$f_x$  Formula



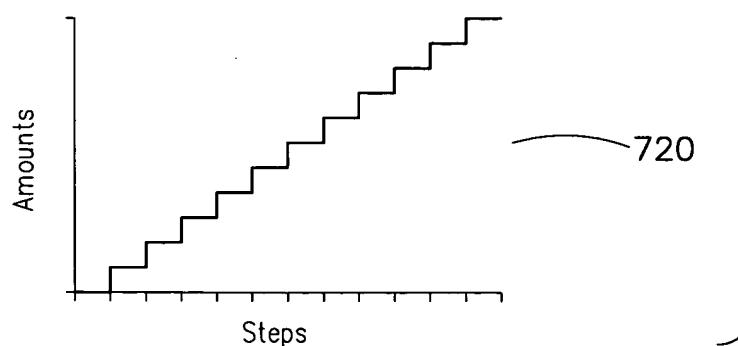
700

Map Gradient ▼

Properties	Values
Source	MonomerA
Dispense Unit	ul
Direction	→
Min Amount	0
Max Amount	100
Step	1
Shape	0

710

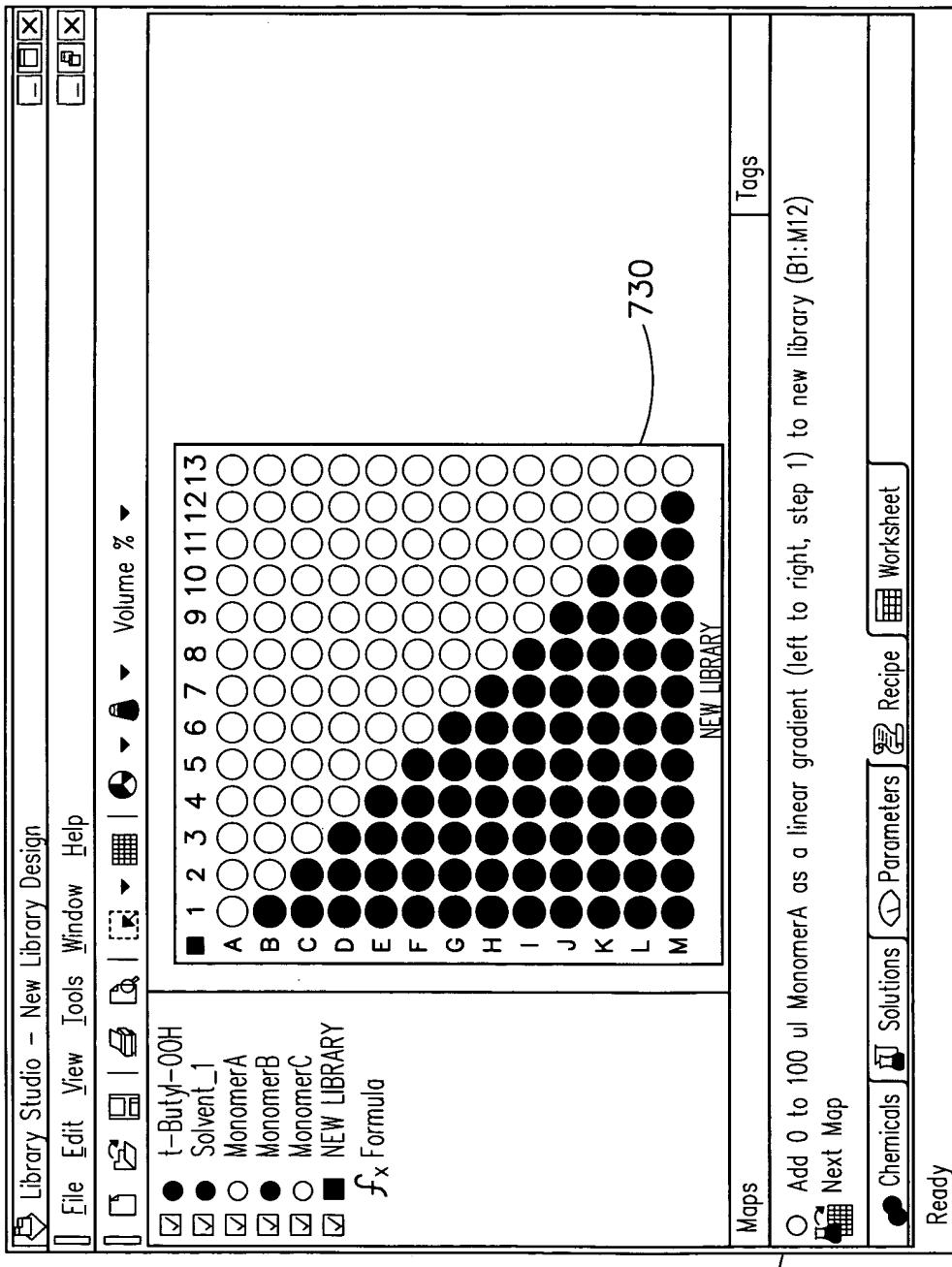
FIG. 7B



## REPLACEMENT SHEET

10/13

FIG. 7C



## REPLACEMENT SHEET

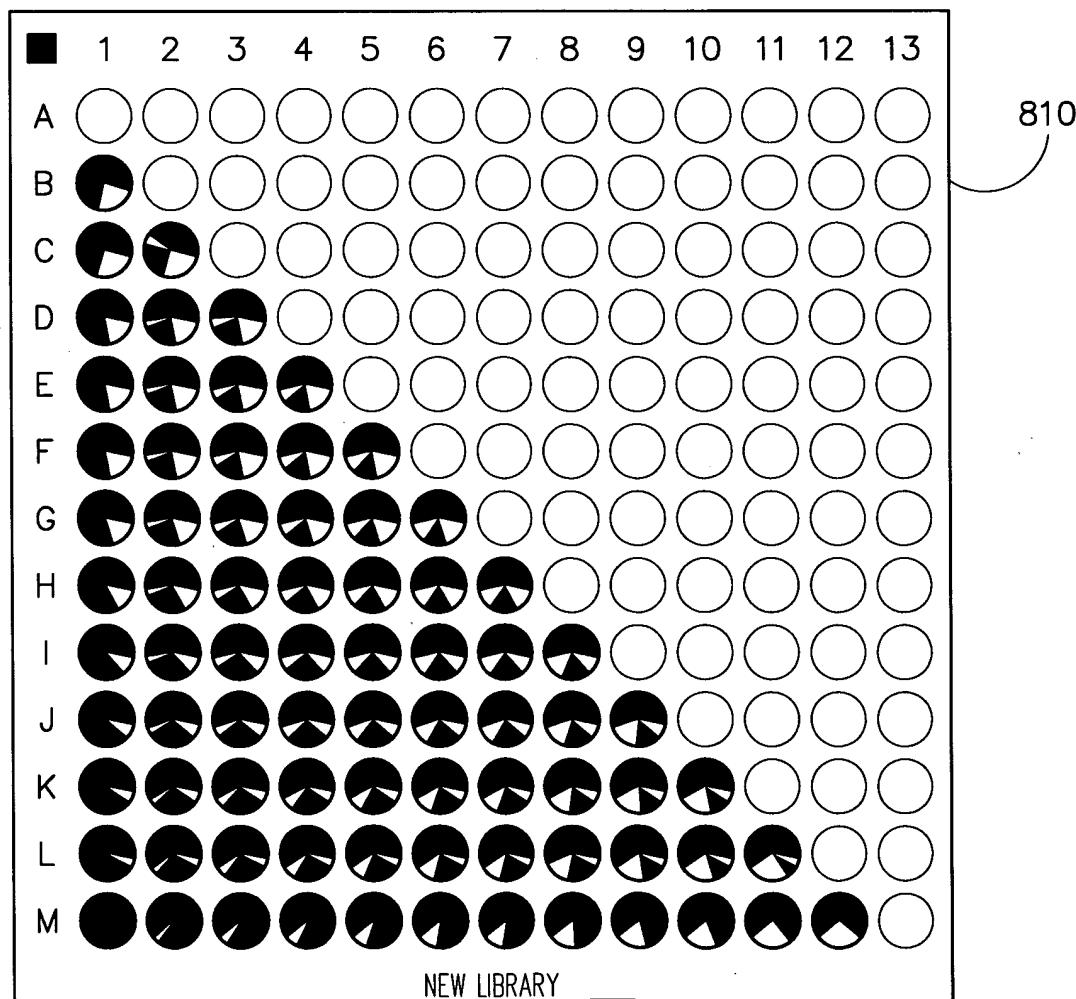
11/13

FIG. 8A

Map  800

Properties	Values
Source	t-Butyl-OOH
Dispense Unit	ul

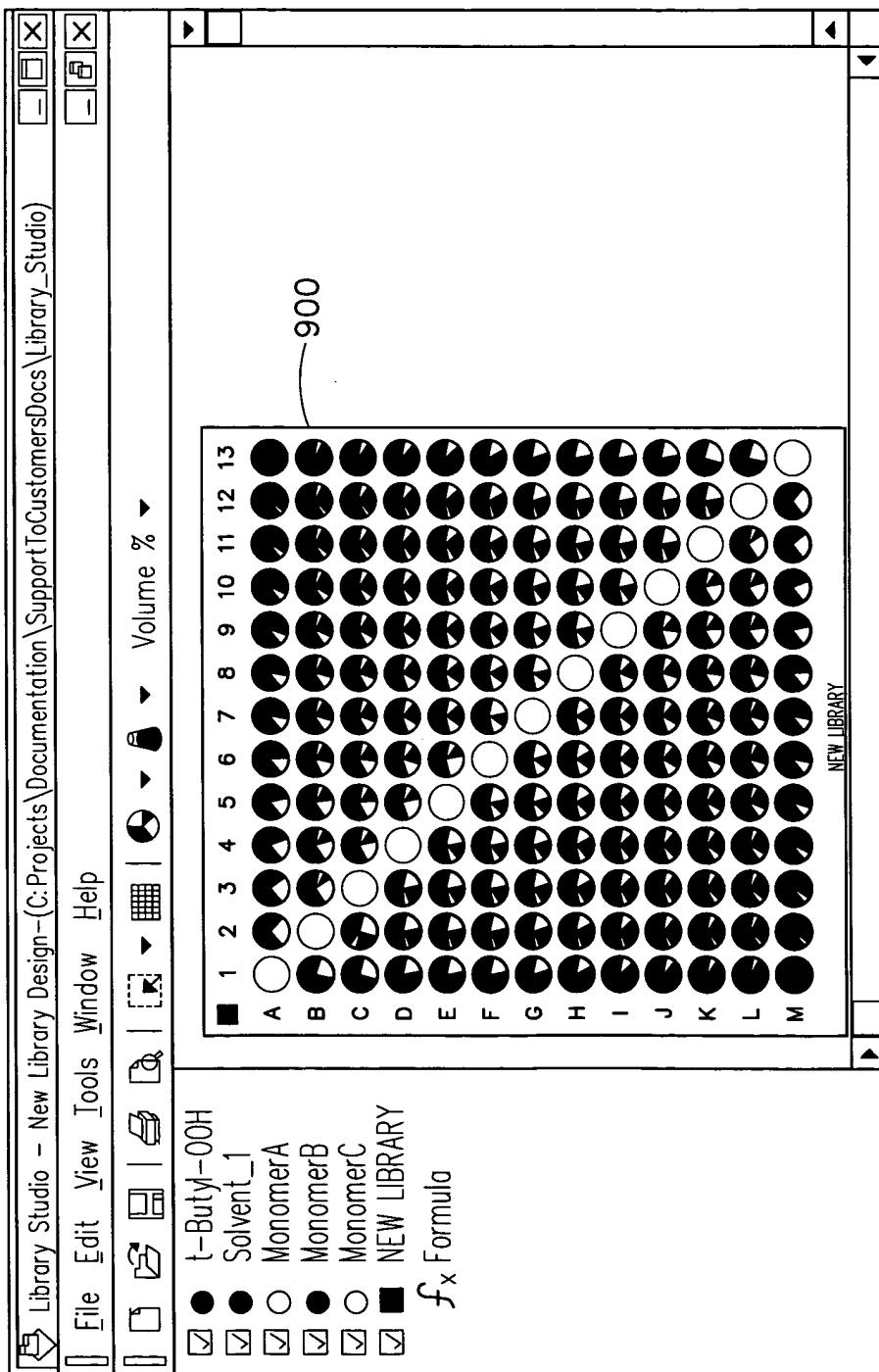
FIG. 8B



## REPLACEMENT SHEET

12/13

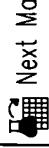
FIG. 9A



## REPLACEMENT SHEET

13/13

FIG. 9B

Maps	Tags
○ Add 0 to 100 ul MonomerA as a linear gradient (left to right, step 1) to New Library (B1:M12)	
● Add 0 to 100 ul MonomerB as a linear gradient (right to left, step 1) to New Library (B1:M12)	
○ Add 0 to 100 ul MonomerC as a linear gradient (bottom to top, step 1) to New Library (B1:M12)	
<b>Σ Equation Group</b>	
● Add ? ul "t-Buyl-00H" to New Library (B1:M12)	
● Add ? ul Solvent_1 to New Library (B1:M12)	
$f_x$ "t-Buyl-00H"=10; ul; Library (B1:M12)	
$f_x$ TotalVolume=200; ul; Library (B1:M12)	
○ Add 0 to 100 ul MonomerA as a linear gradient (left to right, step 1) to New Library (A2:L13)	
● Add 0 to 100 ul MonomerB as a linear gradient (right to left, step 1) to New Library (A2:L13)	
○ Add 0 to 100 ul MonomerC as a linear gradient (bottom to top, step 1) to New Library (A2:L13)	
<b>Σ Equation Group</b>	
● Add ? ul "t-Buyl-00H" to New Library (A2:L13)	
● Add ? ul Solvent_1 to New Library (A2:L13)	
$f_x$ "t-Buyl-00H"=10; ul; Library (A2:L13)	
$f_x$ TotalVolume=200; ul; Library (A2:L13)	
 Next Map	
 Chemicals  Solutions  Parameters  Recipe  Worksheet	Ready

910